Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work: Improvements to roads and drains at 12th B main and surrounding areas of B sector in Ward no-04

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Civil Work								
1	KSRRB 300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(I No-19.1, P No-143), 8km lead								
	Basic rate	130.00							
	Area Weightage 6%	7.80							
	Loading and Unloding & Lead, 4KM	77.48							
	Total	**215.28**							
		Cum							
	RCC Drain								
	Ward 04, B sector								
	12th B main		2	370.00	1.10	1.10	895.40		
	4th B cross		2	139.00	1.10	1.10	336.38		
	Culvert		5	7.20	1.50	1.00	54.00		
				Area					
	Rain Water Harvesting pits		8	0.31		1.80	4.46		
							1290.24	**215.28**	**277763.73**
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications.								
	Data rate	1901.00		Area					
	a) 40mm Jelly	Cum	8	0.31		0.40	**0.99**	**1901**	**1,885.79**
	Data rate	1901.00							
	b) 20mm Jelly	Cum	8	0.31		0.40	**0.99**	**1901**	**1,885.79**
	Data rate	2651.00							
	c) Coarse sand.	Cum	8	0.31		0.30	**0.74**	**2651**	**1,972.34**
	Data rate	2651.00							
	d) Fine Sand	Cum	8	0.31		0.20	**0.50**	**2651**	**1,314.90**
	Data rate	1901.00							
	e) 12.5mm chips	Cum	8	0.31		0.30	**0.74**	**1901**	**1,414.34**

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
3	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : **HDPE Grade PE80-PN6.0, 630 mm dia.** (Perforated Pipe for Rain Water Harvesting Pit) (BWSSB SR 2017-18, Pg No 121 Item No. 1.17 Code No. K010Q)								
	Basic rate	12121.00							
	Deduct 12% GST	1298.68							
	Total	10822.32							
		Rmt							
	0.63m dia HDPE Perforated		8	1.80			14.40		
							14.40	**10822.32**	**155841.41**
4	**Providing of Geonets** for Rain Water Harvesting pit on top of the filter media as specified indrawings or as approved by Engineer Incharge. Data Rate								
	Data rate	71.03		Area					
		Sqm	8	0.31			**2.48**	**71.03**	**176.15**
5	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Basic rate	5115.00							
	Area Weightage 6%	306.90							
	Total	**5421.90**							
		Cum							
	RCC Drain								
	Ward 04, B sector								
	12th B main		2	370.00	1.10	0.15	122.10		
	4th B cross		2	139.00	1.10	0.15	45.87		
	Culvert		5	7.20	1.50	0.15	8.10		
	For Kerb Stone								
	Ward 04, B sector								
	12th B main		2	370.00	0.20	0.10	14.80		
	4th B cross		2	139.00	0.20	0.10	5.56		
							196.43	**5421.90**	**1065023.82**

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
6	Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete with OPC at 300 kgs.** With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	6670.00							
	Area Weightage 6%	400.20							
	Total	**7070.20**							
		Cum							
	RCC Drain								
	Raft								
	Ward 04, B sector								
	12th B main		2	370.00	0.90	0.15	99.90		
	4th B cross		2	139.00	0.90	0.15	37.53		
	Wall								
	Ward 04, B sector								
	12th B main		4	370.00	0.15	0.60	133.20		
	4th B cross		4	139.00	0.15	0.60	50.04		
							320.67		
	Culvert Raft		5	7.20	1.20	0.20	8.64		
	Culvert Wall		10	7.20	0.23	0.60	9.94		
							18.58		
							339.25	**7070.20**	**2398537.07**
7	KSRRB - M2300-14: **Providing TMT steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	69804.00							
	Area Weightage 6%	4188.24							
	Total	**73992.24**							
		Tn							
	RCC Drain								
	For Drain 60kg/cum			320.67	0.06		19.24		
	For Culvert 90kg/cum			18.58	0.09		1.67		
							20.91	**73992.24**	**1547328.68**
8	Providing and Fixing **pre cast covering Slab 100mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Data rate	2337.00							
		Sqm							

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	RCC Drain								
	Ward 04, B sector								
	12th B main		2	370.00	0.90		666.00		
	4th B cross		2	139.00	0.90		250.20		
							916.20	**2337.00**	**2141159.40**
9	Providing and fixing **RCC precast cover slab of 250mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	5418.00							
		Sqm							
	Culvert		5	7.20	1.20		43.20		
							43.20	**5418.00**	**234057.60**
10	Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
	For Drain	**Nos**							
	Ward 04, B sector								
	12th B main		2	370.00			740.00		
	4th B cross		2	139.00			278.00		
							1018.00	m	
							2262.00	nos	
							2262.00	**432.48**	**978269.76**
11	**Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							
	For Drain	**Sqm**							
	Ward 04, B sector								
	12th B main		2	370.00		0.40	296.00		
	4th B cross		2	139.00		0.40	111.20		
							407.20	**84.80**	**34,530.56**

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
								Total Construction Cost	8841161.34
								Towards GST 12%	1060939.36
								PMC Charges 1%	96,800.00
								Sub Total	9998900.70
								Miscellaneous & Rounding Off	99.30
								Total	9999000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 01-07-2020 and Data Rates

Assistant Engineer
Ward 04
BBMP Bangalore

Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP Bangalore

Executive Engineer
Yelahanka Division
BBMP Bangalore

Administrative Sanction for Rs. 99.99 lakhs
.....
.....
is accorded under head P - 3768
.....
.....
Registered CE No ..... Subject
to conc[illegible] enclosed memo
No. EE/YNK/AS/24/2020-21 Dt. 18/8/2020.

Executive E[illegible]

Technical Sanction
Accorded For Rs 99.99 lakhs only
Head of A/C P 3768
CER No : 104 Dt: 28/8/2020

CE (YNK).

12th B main and surrounding area

Rail Wheel Factory Stadium

Royalmart Supermarket

Omega Multispeciality Hospital

New Town Main Rd

BSNL

Yelahanka New Town Police Station

UCO Bank

Mukambika Heart Care

Andhra Bank

4th B Main Rd L-139.00m

12th B Main Rd L-370.00M

Shobha Boutique

Grand Vegetarian

Sri Satya sai Orthopaedic Clinic Yelahanka

ICICI BANK ATM

ICICI Bank Yelahanka, Bangalore...

11th B Main Rd

10th B Cross Rd

6th B Main Rd

Raksha Orthocare

SREE SAIPRASAD Speciality Hospital

Sri Vinayaka Costumes

Temporarily closed

Bangalore One, Yelahanka

BBMP Divisional Office - Yelahanka Division

Snap Fitnes

Sri Jai Hanuman vasthana (Temple)

14th B Cross Rd

13th B Cross Rd

8th B Main Rd

Garuda Mall

Shopping mall

IDBI Bank

Micromax Care

Hotel Amar

Delivery

7th B Main Rd

Canara Bank and ATM

Sri Ragh Swamy

Google

INDEX

RCC NEW DRAIN

CLIENT: RUHAT BANGALORE AHANAGARA PALIKE	CONSULTANT:- Silicon Consulting Engineers #S1317, 4th CROSS BEL 2nd STAGE BHARATH NAGAR BANGALORE 560 091. E-mail siliconcivilengineers@gmail.com	Assitante Engineer	Assitante Executive Engineer	Executive Engineer	Dwg Title: Improvements To Roads and Drains at 12th B main and surrounding area of B sector in Ward NO:04

Scale; N.T.S

Date

Dwg no:

Rev: RD